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CLAIMS

1. A method of cooling a heat exchange system which comprises circulating a composition in said system, said composition consisting essentially of propylene glycol, and at least one of a molybdate salt, a nitrate compound and an azole compound.

2. The method of claim 1 wherein said molybdate salt is sodium molybdate.

3. The method of claim 1 wherein said nitrate compound is sodium nitrate.

4. The method of claim 1 wherein said azole compound consists of tolyltriazole.

5. The method of claim 1 wherein said propylene glycol is present in a concentration of about 84.5% to about 99.85% by weight, said molybdate salt is sodium molybdate which is present in a concentration of about 0.05% to about 5.0% by weight, said nitrate compound is sodium nitrate which is present in a concentration of about 0.05% to about 5.0% by weight, and said azole compound is tolyltriazole which is present in a concentration of about 0.05% to about 5.0% by weight.

6. The method of claim 1 wherein said propylene glycol is present in a concentration of greater than 99.0% by weight, said molybdate salt is sodium molybdate which is present in a concentration of about 0.3% by weight, said nitrate compound is sodium nitrate which is present in a concentration of about 0.3% by weight, and said azole compound is tolyltriazole, which is present in a concentration of about 0.3% by weight.

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7. The method of claim 1 wherein the heat exchange system is an internal combustion engine heat exchange system.

5 8. The method of claim 1 wherein the heat exchange system is a motor vehicle engine heat exchange system.

10 9. The method of claim 1 wherein said propylene glycol is present in a concentration of about 84.5% to about 99.85% by weight, said molybdate salt is sodium molybdate which is present in a concentration of about 0 to about 5.0% by weight, said nitrate compound is sodium nitrate which is present in a concentration of about 0 to 5.0% by weight, and said azole compound is
15 tolyltriazole which is present in a concentration of about 0 to about 5.0% by weight.

20 10. The method of claim 1 wherein said propylene glycol is present in a concentration of about 99.0% to about 99.7% by weight, said molybdate salt is sodium molybdate which is present in a concentration of about 0 to about 0.3% by weight, said nitrate compound is sodium nitrate which is present in a concentration of about 0 to 0.3% by weight, and said azole compound is
25 tolyltriazole which is present in a concentration of about 0 to about 0.3% by weight.

30 11. A method of cooling a heat exchange system which comprises circulating a composition in said system, said composition consisting essentially of a mixture of propylene glycol and ethylene glycol, and at least one of a molybdate salt, a nitrate compound and an azole compound.

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12. The method of claim 11 wherein said molybdate salt is sodium molybdate.

13. The method of claim 11 wherein said nitrate compound is a sodium nitrate.

14. The method of claim 11 wherein said azole compound consists of tolyltriazole.

15. The method of claim 11 wherein said propylene glycol is present in a concentration of about 40.0% to about 98.85% by weight, said ethylene glycol is present in a concentration of about 1.0% to about 54.5%, said molybdate salt is sodium molybdate which is present in a concentration of about 0.05% to about 5.0% by weight, said nitrate compound is sodium nitrate which is present in a concentration of about 0.05% to about 5.0% by weight, and said azole compound is tolyltriazole which is present in a concentration of about 0.05% to about 5.0% by weight.

16. The method of claim 11 wherein said propylene glycol is present in a concentration of about 40.0% to about 98.0% by weight, said ethylene glycol is present in a concentration of about 1.0% to about 59.0%, said molybdate salt is sodium molybdate which is present in a concentration of about 0.3% by weight, said nitrate compound is sodium nitrate which is present in a concentration of about 0.3% by weight, and said azole compound is tolyltriazole, which is present in a concentration of about 0.3% by weight.

17. The method of claim 11 wherein the heat exchange system is an internal combustion engine heat

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exchange system.

5 18. The method of claim 11 wherein the heat exchange system is a motor vehicle engine heat exchange system.

10 19. The method of claim 11 wherein said propylene glycol is present in a concentration of about 40.0% to about 98.85% by weight, said ethylene glycol is present in a concentration of about 1.0% to about 54.5% by weight, said molybdate salt is sodium molybdate which is present in a concentration of about 0 to about 5.0% by weight, said nitrate compound is sodium nitrate which is present in a concentration of about 0 to 5.0% by weight, 15 and saidazole compound is tolyltriazole which is present in a concentration of about 0 to about 5.0% by weight.

20 20. The method of claim 11 wherein said propylene glycol is present in a concentration of about 40.0% to about 98.0% by weight, said ethylene glycol is present in a concentration of about 1.0% to about 59.0% by weight, said molybdate salt is sodium molybdate which is present in a concentration of about 0 to about 0.3% by weight, said nitrate compound is sodium nitrate which is present in a concentration of about 0 to 0.3% by weight, 25 and saidazole compound is tolyltriazole which is present in a concentration of about 0 to about 0.3% by weight.

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